

# TECHNICAL MEMORANDUM

## Utah Coal Regulatory Program

February 6, 2004

TO: Internal File

THROUGH: Karl R. Houskeeper, Environmental Scientist III/Inspector, Team Lead

FROM: Steve Fluke, Reclamation Hydrogeologist

RE: 2003 Midterm Review, Utah American Energy, Inc., Horse Canyon Mine, C/007/013, Task ID #1813

### **SUMMARY:**

The Division conducted a Midterm Review for the Horse Canyon Mine in December 2003. In the Technical Memorandum for the hydrology review, it was recommended that the Midterm Review not be approved because additional diversion and sediment control information is needed to meet the requirements of the Coal Mining Rules. Prior to approval of the Midterm Review, the following information was to be provided by the Permittee:

**R645-301-732.100**, the Permittee needs to maintain and repair existing silt fences at the site.

**R645-301-744.100**, the Permittee needs to update Table 6.5.1-2 and the table on Drawing VI-3 to include riprap dimensions for ditch 3A.

**R645-301-744.100**, the Permittee needs to update Drawing III-1A-1 to include a ditch number for the unlabeled ditch that discharges from the refuse pile to Horse Canyon Creek.

**R645-301-744.100**, the Permittee needs to update Table 6.5.1-2 and the table on Drawing VI-3 to include the unlabeled ditch that discharges from the refuse pile to Horse Canyon Creek.

**R645-301-744.100**, the Permittee needs to repair the final 50 feet of both ditch 3A and the unlabeled refuse pile ditch according to the designs incorporated into Table 6.5.1-2 and the table on Drawing VI-3.

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However, the Midterm Review Technical Analysis (TA) found only one of the five hydrology findings as deficient:

**R645-301-744.100**, the Permittee needs to update Drawing III-1A-1 to include Berm Channel 31 that discharges from the west side of the pre-law pile to Horse Canyon Creek.

The remainder of the hydrology findings were found to be adequately addressed elsewhere in the permit, or will be addressed under a separate permitting action.

**Findings:**

The Permittee has responded to the TA by providing an update of Drawing III-1A-1 that includes Berm Channel 31. The information provided is considered adequate to meet the minimum hydrology requirements of the Coal Mining Rules.

**RECOMMENDATIONS:**

The Midterm Review should be approved.